

Stem-and-Leaf Diagrams

Use the stem-and-leaf diagram for Exercises 1–4.

1. What is the range of the values? _____
2. What value appears most often? _____
3. How many times does the value 79 appear? _____
4. What is the largest number in the data that is less than 90? _____

stem	leaf
6	7 8 8
7	0 1 2 3 4 9 9
8	1 3 3 3 4 7
9	0 2 5

5. Make a stem-and-leaf diagram of the data showing scores on a history test.

84, 93, 72, 87, 75, 86, 97, 68, 74, 86, 91, 64, 83,
79, 80, 72, 83, 76, 90, 77

stem	leaf

6. Make a stem-and-leaf diagram of the data showing the number of badges earned by local scouts.

7, 12, 9, 2, 17, 24, 0, 3, 10, 20, 12, 3, 6, 4, 9, 15

stem	leaf

7. Make a stem-and-leaf diagram of the data showing the number of compact discs owned by some students.

17, 36, 0, 64, 5, 0, 39, 12, 7, 19, 67, 42, 0, 3, 12,
4, 9, 13, 17, 31, 0

stem	leaf

8. **History** The data shows the number of individuals who served as cabinet members for each of the first 21 Presidents. Make a stem-and-leaf diagram of the data.

Washington: 11	J. Adams: 8	Jefferson: 10
Madison: 16	Monroe: 8	J.Q. Adams: 6
Jackson: 19	Van Buren: 10	W. Harrison: 6
Tyler: 21	Polk: 9	Taylor: 7
Fillmore: 11	Pierce: 7	Buchanan: 14
Lincoln: 13	A. Johnson: 13	Grant: 23
Hayes: 10	Garfield: 7	Arthur: 17

stem	leaf